Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	07/06/2016 12:36 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/06/2016 09:46 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124031	-1	2.50	123902	2.49
Blue	F	SSC	125000	125543	0	4.74	126048	4.51
Blue	E	FITC	21137	20633	-3	3.18	912	9.91
Blue	D	PE	25913	25176	-3	2.89	899	9.20
Blue	B	PerCP-Cy5-5	46728	46332	-1	3.99	1329	15.49
Blue	A	PE-Cy7	40457	40254	-1	5.33	623	32.74
Red	C	APC	50567	49960	-2	2.91	2895	9.35
Red	A	APC-Cy7	52095	51768	-1	2.96	1070	11.24
Violet	B	V450	13425	12873	-5	3.49	622	8.81
Violet	A	V500	55630	54737	-2	3.22	2436	6.13

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19386	3.81	600	2	N/A	N/A	Pass
Blue	F	SSC	62312	3.41	524	6	N/A	N/A	Pass
Blue	E	FITC	103	37.06	525	0	0.0237	163	Pass
Blue	D	PE	198	26.16	519	0	0.1913	208	Pass
Blue	B	PerCP-Cy5-5	211	41.84	614	1	0.0128	172	Pass
Blue	A	PE-Cy7	68	106.30	666	2	0.0140	9	Pass
Red	C	APC	336	27.27	592	1	0.0210	71	Pass
Red	A	APC-Cy7	118	39.54	573	2	0.0055	1453	Pass
Violet	B	V450	75	40.15	464	1	0.0424	1478	Pass
Violet	A	V500	177	22.96	497	3	0.0143	508	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.44	-30.95	0.79
Blue	20.34	16.27 - 24.41	1.24	0.99 - 1.49	0.00	0.00	1.30
Red	14.95	13.28 - 19.92	N/A	N/A	31.44	31.78	1.13

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 13604

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments